

PRELIMINARY CONTENT PROSPECTUS FOR ATLAS OF SOVIET AGRICULTURE

MAJOR SECTIONS (elements)	PLATES OR PLATE GROUPS (subjects)	INDIVIDUAL ITEMS (maps, graphs, texts)
I. Environmental Constraints	A. Location/terrain	1. small-scale map with USSR superimposed on N. America 2. analagous areas overprint map 3. USSR general terrain map; table of amount of land in major physical categories 4. very brief factual text
	B. Thermal Resources	1. Brief explanatory text on role of heat in plant growth; degree days; sums of temperatures concepts 2. matrix/graph of thermal requirements by <u>crop</u> 3. map of growing season 4. map/graphics of regional crop calendars (several?) 5. several other maps of critical elements -- temperature sums, first and last frost, frost free period

*Soviet Agri. Dept.
of Agri. roads*

*IV. Sov Agri. in
World context
Trade*

MAJOR SECTIONS	PLATES OR PLATE GROUPS	INDIVIDUAL ITEMS
	C. Moisture Resources	<ol style="list-style-type: none">1. Map of total precipitation2. Map/graph of seasonal/regional precipitation patterns3. Snow cover map
	D. Weather Conditions	<ol style="list-style-type: none">1. brief essay on typical weather patterns in USSR and hazardous extremes during growing season; how these damage crops2. Weather satellite photo (cyclonic storm of '73 season)3. Frequency maps for a. sukhovey b. hail c. violent storms d. drought
	E. Soils Resources	<ol style="list-style-type: none">1. Essay on relation of soil fertility to crop distribution and yield; crop competition for fertile soils2. Map of basic soil types3. Map of permafrost and soil temperature conditions

MAJOR SECTIONS

PLATES OR PLATE GROUPS

INDIVIDUAL ITEMS

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II. Technology

A. Systems to alter natural environment

1. Map and text on irrigation and drainage systems
2. Photo and possible map on windbreak program
caption-length text
3. Weather modification research -- text
4. Fertilizer application: map and data
by crop if available
5. Special situations -- hothouse ag:
photos and text; brief

B. Mechanization

1. Photo/text treatment highlighting requirements and major new equipment designs

C. Plant Breeding

1. Essay on major advances; possible photos or yield data for major new varieties
2. Map-location of major agricultural research stations (name, address, and primary research activities)

D. Disease and Pest Control

1. Essay on major diseases; types of herbicides and pesticides in use
2. Photos of aerial spraying, etc.

E. Cropping systems and practices

1. Text with diagrams (layout of typical 100 sq mi in new lands vs S Ukraine, etc)

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III. Institutional
Framework

- A. Historical perspective
- B. Management-administrative system

1. essay on pre-Soviet agriculture
1. essay on basic system and recent developments/trends
2. Vertical organization chart from Brezhnev to milkmaid (photos and wiring diagram)
3. Timeline/chronology of events (innovations in mgmt) during Soviet regime
4. Histogram/chronology of numbers of state and collective farms and average acreage
5. Maps showing distribution of state farms and distribution of collective farms and brief paragraphs on the reasons for these distributions
1. The State farm -- descriptive/interpretive essay to deal with character and quality of farm life; diagrams of typical farm layouts
2. The collective farm -- ditto
3. The Private Plot -- essay on the forms and functions of private plots
4. Map of existing rural settlement patterns and essay on trends

c. agri in the Soviet Economy.
D Rural Life

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INDIVIDUAL ITEMS

IV Crops and Yields

A. Wheat

1. Map -- distribution of acreage
2. Map -- distribution of yields
3. Brief text of yield development, seed improvement, etc.

B. Other Grains

1. Map -- distribution of acreage
2. Map -- distribution of yields
3. Brief text of yield development, seed improvement, etc.

C. Other Crops

1. Map -- distribution of acreage
2. Map -- distribution of yields
3. Brief text of yield development, seed improvement, etc.

D. Livestock

1. Map-- distribution of cattle, sheep etc.